

ABSTRACT

Disclosed here is a control unit employed for an internal combustion engine and provided with air flow sensor output correcting means capable of correcting a detected voltage error to occur in the air flow sensor according to a surge voltage and a supply voltage at each actuation of the thermal type air flow sensor. The thermal type air flow sensor output correcting means includes surge time measuring means for measuring a surge time in a value detected in the thermal type air flow sensor at the time of the sensor power on and supply voltage detecting means. The output correcting means thus calculates a warming-up characteristic correction amount for the thermal type air flow sensor according to the measured surge time and the detected supply voltage.